

1 ABSTRACT OF THE DISCLOSURE

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3 An ad hoc network includes a set of nodes. Each of the nodes include a routing protocol
4 currently used by the node and may include one or more routing protocols that are available for
5 use by the node. A source node in the network attempting to transmit a message to a destination
6 node in the network may need to establish a common routing protocol between nodes in the
7 nodes network. The source node can transmit a request for routing protocol information to a
8 limited number of nodes in the network. The limited number of nodes may include nodes in
9 zone with a zone radius length determined by a predetermined number of hops from the source
10 node. The source node receives the routing protocol information from the limited number of
11 nodes and selects a common routing protocol based on the received information. The source
12 node transmits the selected common routing protocol to all the nodes in the network.